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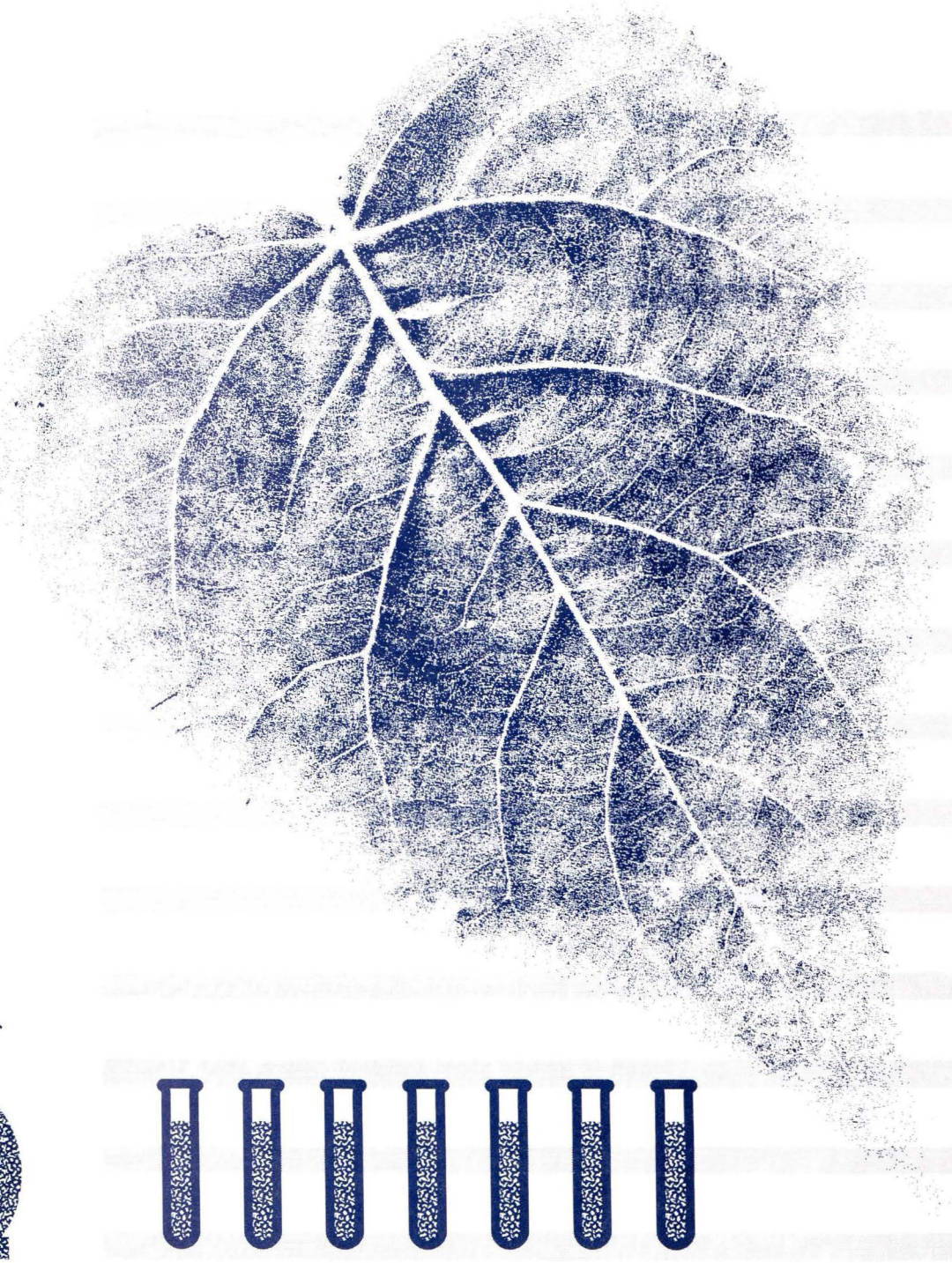
Bibliography of *Populus* Cell and Tissue Culture

M. E. Ostry and K. T. Ward



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Bibliography of *Populus* Cell and Tissue Culture

M. E. Ostry and K. T. Ward

INTRODUCTION

Cell and tissue culture techniques are increasingly being applied to *Populus* species and their hybrids. Poplars have been used as a model species in the rapidly expanding field of forest tree biotechnology; the number of published reports has increased greatly in recent years (fig. 1). The predominant reason for the focus on poplars is the need for plant regeneration techniques in successful biotechnological applications. Nearly all *in vitro* culture and regeneration techniques can be applied to members of the genus *Populus*, unlike most other forest trees.

This bibliography is intended to serve as an international reference for literature covering poplar research ranging from clonal micropropagation to genetic transformation.

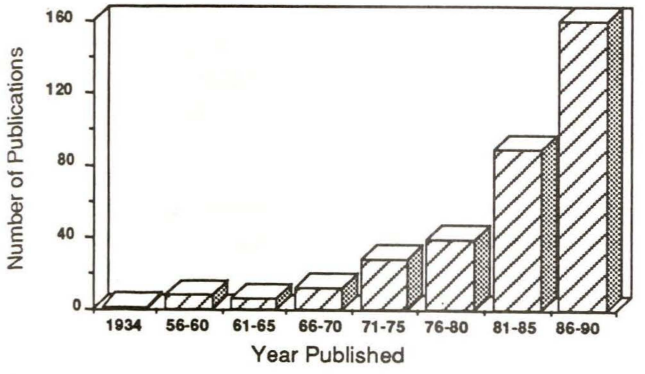

Figure 1.—*Number of research papers on* Populus *cell and tissue culture published from 1934 to 1990.*

M.E. Ostry is a Research Plant Pathologist and **K.T. Ward** is a Forestry Technician with the North Central Forest Experiment Station, St. Paul, Minnesota.

The search of major computerized literature data bases and other sources of literature citations was completed in January 1991. All citations available from 1990 at publication time are included; however, because of the time lag between publication and availability of abstracts, other citations may be available at a later date.

Citations are arranged by subject area and alphabetically by author. An author index is included.

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Lists citations of the world's literature on cell and tissue culture of poplars from 1934 to 1990.

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Our job at the North Central Forest Experiment Station is discovering and creating new knowledge and technology in the field of natural resources and conveying this information to the people who can use it. As a new generation of forests emerges in our region, managers are confronted with two unique challenges: (1) Dealing with the great diversity in composition, quality, and ownership of the forests, and (2) Reconciling the conflicting demands of the people who use them. Helping the forest manager meet these challenges while protecting the environment is what research at North Central is all about.